

Application No. 09/995,740
Amendment dated October 27, 2005
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In the Drawings:

The drawings have been amended to correct typographical errors and are properly marked as a "Replacement Sheets".

REMARKS

Claims 1-14 are pending. Claims 1-5 and 8 have been amended. Claims 9-14 are newly presented. Reconsideration and allowance of the present application based on the following remarks are respectfully requested.

In the Drawings and Specification

The drawings were objected for containing various informalities. Applicants have amended the drawings to correct these informalities and submit herewith Replacement Sheets for the corrected figures. Upon indication of allowance, Applicants will submit replacement formal drawings for Figure 7. Accordingly, Applicants respectfully request withdrawal of this objection.

The specification was objected to allegedly being difficult to understand. As suggested by the Examiner, Applicants submit herewith a replacement specification and a marked-up version as required. No new matter is entered by the replacement specification. Accordingly, Applicants respectfully request reconsideration and withdrawal of this objection.

Claim Objections

Claims 1-8 were objected to for containing various informalities. Applicants have amended the claims as suggested by the Examiner to correct these informalities. Accordingly, Accordingly, Applicants respectfully request reconsideration and withdrawal of this objection.

Claim Rejections Under 35 U.S.C. § 112

Claims 1-8 were rejected under 35 U.S.C. § 112, second paragraph. Applicants have amended the claims as suggested by the Examiner to correct the informalities in the claims. Additionally, Applicants submit that the received signal state recited in the claims is clearly described in the specification at, for example, paragraph [0046] of the substitute specification. Accordingly, Applicants respectfully request reconsideration and withdrawal of this objection.

Claim Rejections Under 35 U.S.C. § 102

Claims 1-8 were rejected under 35 U.S.C. § 102(e) over Karna (U.S. Publication No. 2002/0196841). Applicants respectfully traverse these rejections.

Claim 1 recites, in part, a method for parallel type interference cancellation in a CDMA receiver that includes completing temporary detecting and recovering the symbol of the user when an over-sampled position of a received signal reaches the end of a symbol of a user.

In contrast, Karna discloses using a set of N samples that includes a plurality of M sample blocks. Karna specifically discloses that if a sample set of 150 is selected that at least 2 full symbols (M=50) will be included and that if the boundaries are not aligned, the end of the sample set (i.e., the partial sample) cannot be fully correlated. See, for example, page 4, paragraph [0035]. Karna does not teach completing temporary detecting when the received signal reaches the end of a symbol. Instead, Karna teaches that a fixed length symbol is selected from memory without a concern for the timing aspect recited in claim 1. Accordingly, Karna fails to teach, or even suggest, a method for parallel type interference cancellation in a CDMA receiver that includes completing temporary detecting and recovering the symbol of the user when an over-sampled position of a received signal reaches the end of a symbol of a user.

Claim 8 is believed allowable for at least the same reasons presented above with respect to claim 1 since claim 8 recites features that are similar to the features of claim 1 discussed above. Claims 2-7 are believed allowable for at least the reasons presented above with respect to claim 1 by virtue of their dependence upon claim 1. Accordingly, Applicants respectfully request reconsideration and withdrawal of these rejections.

New Claims

Claims 9-14 are newly presented, fully supported by the originally filed specification and believed allowable over the prior art of record.

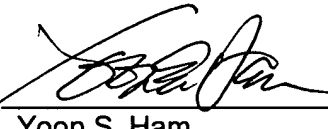
Conclusion

Therefore, all objections and rejections having been addressed, it is respectfully submitted that the present application is in a condition for allowance and a Notice to that effect is earnestly solicited.

Should any issues remain unresolved, the Examiner is encouraged to contact the undersigned attorney for Applicants at the telephone number indicated below in order to expeditiously resolve any remaining issues.

Respectfully submitted,

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